



PTO/SB/21 (02-04)

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/047,728	
	Filing Date	January 15, 2002	
	First Named Inventor	Terry R. Bussear	
	Art Unit	2837	
	Examiner Name	Renata D. McCloud	
Total Number of Pages in This Submission	6	Attorney Docket Number	284-15718-USCE

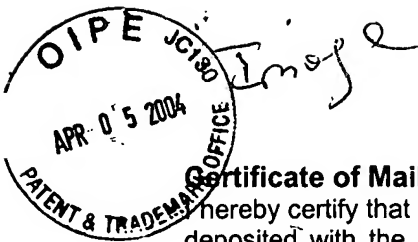
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Gretchen King
Gretchen King

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Bussear et al.

Serial No.: **10/047,728**

Filed: **01/15/02**

For: **Apparatus and Methods for
Using a Surface-Based
Oscillator as a Downhole
Seismic Source**

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Examiner: **McCloud, R.**

Art Unit: **2837**

Attorney Docket No.: **284-15718-USCE**

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RESPONSE TO OFFICE ACTION
MAILED MARCH 11, 2004

Sir:

In response to the office action mailed March 11, 2004, please consider the following response:

Remarks/Arguments begin on page 2 of this paper.